



DDC  
DDC  
3222 N. 6th Mile Road  
Casper WY 82604

**RM-140773**

1":100' - TVD  
8/10/2014 9:40:13 PM

**Oper. Company:** Noble Energy Inc.  
**Country:** USA  
**State / Province:** CO  
**County / Parish:** Weld  
**Started:** 08/06/2014 02:00 PM

**API/UWI:** 05-123-38855  
**Field:** Wattenberg  
**Well:** Cutthroat LC28-79HNB  
**Rig:** H&P 326  
**Ended:** 08/10/2014 09:30 PM

**Personnel**

**Day Hand:** Bob Kubistek  
**Night Hand:** Chris Abbott  
**Comp. Emp:** Bob Kubistek

**Location**

**Latitude:** 40° 42' 53.964 N  
**Longitude:** 103° 59' 16.476 W  
**Elev. GL:** 4862  
**Elev. DF:** 30  
**Elev. KB:** 4892

**Hole Data**

Size	From	To
13 3/4	0	644
8 3/4"	644	6606
6 1/8"	6606	10325

**Casing Data**

Size	From	To
9 5/8"	0	644
7"	0	6606
4 1/2"	0	10325

**Bit Sizes**

Size	From	To
13 3/4"	0	644
8 3/4"	644	6606
6 1/8"	6606	10325

**Mud Data**

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.7		43				0	0

**Tool Run Data**

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
424	37	0	8/6/2014 2:00:43 PM	644	8/7/2014 3:00:43 PM	5459
424	37	0	8/7/2014 3:00:10 PM	5459	8/8/2014 10:00:10 AM	6606
424	40	0	8/9/2014 8:00:16 AM	6606	8/10/2014 9:30:16 PM	10325

*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.*

0.00      Gamma(mG)      150.00      TVD      0.00      ROP(FT/HR)      1,500.00  
150.00      2      300.00      FT      1,500.00      2      3,000.00











